MANUFACTORY

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paparwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449/PTO **Application Number** Filing Date INFORMATION DISCLOSURE First Named Inventor Wendy Lee Wilkins STATEMENT BY APPLICANT Art Unit (Use as many sheets as necessary)

Examiner Name Attorney Docket Number

783403605009

			U.S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (F known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
As		^{US-} 5,039,628	08/13/1991	Carey	
1		^{US-} 5,391,917	02/21/1995	Gilmour et al.	
		^{US-} 6,143,616	11/07/2000	Geusic et al.	
1		^{US-} 6,187,677B1	02/13/2001	Ahn	
M		^{US-} 6,281,042B1	08/28/2001	Ahn et al.	
-		US-			
	<u> </u>	US-			
		US 1			
		US-			
	 	US-	·		
		US-	 		
		US-	-		
	 	US-	-	 	
		US-			
	 	USA	 	 	
		US-	 	/	+
	/	US-	 /		 /
	/-	US-			
<i>_</i>	-	US-			<u> </u>

		FOREIGN	PATENT DOCU	MENTS			
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear		
		Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)	MM-DD-YYYY				
			1		_		
			<u> </u>				
	ľ				7/		

*EXAMINER: Initial if reference considered, whether it not conformance with MPEP 609. Draw line through citation if not in conformance and not conerdered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (epitional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov.org/PPP-904.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Date

Transiation is artached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08B (08-03) Approved for use through 07/31/2008. OMB 0551-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitut	te for form 1449/PT			Complete if Known				
Cobbind		•		Application Number				
INFO	ORMATIC	N DIS	CLOSURE	Filing Date				
STA	TEMENT	BY A	PPLICANT	First Named Inventor	Wendy Lee Wilkins			
			_	Art Unit		······································		
	(Use as many	sheets as ne	ecessary)	Examiner Name	<u> </u>			
Sheet	2	of	2	Attorney Docket Number	783403605009			

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
CA		Calmes, S., "Highly Integrated 2-D Capacitive Micromachined Ultrasonic Transducers", IEEE Ultrasonics Symposium, 1999, pgs. 1163-1166	
Jan Can		Neysmith, Jordan, et al., "High Density Through-Wafer Electrical Interconnects for Direct-Chip-Attach, Device-Scale MEMS Packaging, Micro-Electro-Mechanical Systems (MEMS), vol. 2, 2000, pgs. 595-599	[]
as		Wang, L., et al., "Thinning of Micromachined Wafers for High-Densi Through-Wafer Interconnects," DIMES, Electrical Instrumentation L Laboratory, pgs. 121-126.	у,
4		Mullenborn, M., et al., "Chip-size-packaged silicon microphones," Sensors and Actuators A 92, 2001, pgs. 23-29	
he		Silicon Microphone for Hearing Instruments, http://www.sonion.com/servlet/page?_dad=portal_EXT&-schema=PORTAL- EXT&_mode (4 pgs.)	

Signature Considered

Examine

Date

*EXAMPLER: Infilial if eference considered, whether or not citation is in conformated with MPEP 609. Draw line through citation is conformance and not considered. Include copy of this form with next communication of applicant.

Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Sheet

Examiner Signature

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known								
Application Number								
Filing Date								
First Named Inventor	Wendy Lee Wilkins							
Art Unit								
Examiner Name								
Attorney Docket Number	783403605009							

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.	Document Number Number-Kind Code ^{2 (7 known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
60.		^{US-} 5,039,628	08/13/1991	Carey	
T		^{US-} 5,391,917	02/21/1995	Gilmour et al.	
		^{US-} 6,143,616	11/07/2000	Geusic et al.	
7		^{US-} 6,187,677B1	02/13/2001	Ahn	
M		^{US-} 6,281,042B1	08/28/2001	Ahn et al.	
		US-			
		USZ		1	ł .
		/us-			
	7	US-			
		US-	(
		US-			

		<u> FORE</u>	IGN PATENT DOCU				
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages		
		Country Code ³ "Number ⁴ "Kind Code ⁸ (if known)	MM-DD-YYYY		Or Relevant Figures Appear		
				· · · · · · · · · · · · · · · · · · ·			
				(

*EXAMINER: Initial & reference considered: whether of noncitation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). Use Kinds Codes of USPTO Patent Documents at www.uspio.gev or MPEP 901.04. Tener Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the type of the reign of the Emperor must precede the serial number of the patent document. Indication of the type of the type of the patent document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Considered

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

U.S. DEP	TO-1449 (M PARTMENT AND TRA	OFC	MME	RCE FICE					OIPE	Atty Docket No.: 7834036050	09		
		S		MEN	T BY A	PPLI	SURE CANT ssary)	- 1	JUL 1 2 2004 6				
₹37 CFR	1.98(b))								TA TOANS	Serial No.: 10/729,734			
,										Applicant(s): Wilkins et al.			
•										Filing Date: December 5, 200	3		
										Group: Not Yet Assigned			
					·				U.S. PATENT DO				
Exam. Init.				Pat	ent Nu	mber			Issue Date	Patentee	Class	Subclass	Filing Date
601		4	7	8	3	6	9	5	11/08/1988	Eichelberger et al.			
m		4	9	9	3	1	4	3	02/19/1991	Sidner et al.			
′													
			7										
		17		1									
		1		i							7		
									1				
S	/	1		1	1			'		/			
		1				1							
12				1		1							
						1							
		"			1	1						ï	
		1											
							1						
		1	 			1							
								-					
		1											
	-	T					1						
											1		
											1		
								ENT (REIGN PATENT APPLICAT			
Exam. Init.			1	Docu	iment i	Number	r		Publication Date	Country or Patent Office	Class	Subclass	Translation
	<u> </u>		<u> </u>	$\bot\!$	1	1		<u>//</u>	1				
				OTHE	RDO	CUME	NTS/O	ncludi	ng Author, Title, Da	te**, Relevant pages, Place of	Publicátión***	/	
			1	//-			//_				14/	NO	
Examine	1 /	M			<u>/</u>		//	1.0		Date Considered		0) 7	
to applic	2801.	TI KING (ю ц Д СОП	siuere	u. Dra	**/*IDE	/ta rgu g	a Elvai	not in contorn	nance and not considered. Incl	inge copy of thi	s iorm with ne:	xi communication